

Claims:

1-50. (Canceled)

51. (Currently Amended) A cable management rack for routing cables thereon, said rack having a front side and a rear side and said rack comprising:

a frame;

a frame-mountable pass-through tray disposed on said frame, said pass-through tray having a base and sidewalls defining a front-to-back channel in a center of the tray for routing said cables between said front side of said rack and said rear side of said rack, said pass-through tray including at least one upstanding spool disposed substantially at a center of said tray, a width of the front-to-back channel being substantially constant along a length of the front-to-back channel;

a rear channel adjacent to and extending substantially perpendicular to the front-to-back channel;

a slack manager having a plurality of spools at different elevations, the frame having a first vertical side rail to which the slack manager and tray are connected on opposite sides ; and
~~A rack in accordance with claim 50 further comprising~~

an end cap connected to the slack manager such that the end cap extends substantially parallel with the front-to-back channel and the slack manager is disposed between the end cap and the vertical side rail, wherein the rear channel has openings on opposing ends, the end cap terminating one of the openings.

52. (Currently Amended) A rack in accordance with claim ~~50~~51 wherein a set of the spools are vertically aligned, at least one of the spools being out of alignment with the set of spools such that a distance between the at least one of the spools and the vertical side rail is different than a distance between the set of spools and the vertical side rail.

53. (Previously Presented) A rack in accordance with claim 52 wherein the at least one of the spools is more proximate to the vertical side rail than the set of spools.

54. (Previously Presented) A rack in accordance with claim 52 wherein the at least one of the spools comprises the spool adjacent to a lowermost spool of the plurality of spools.

55. (Previously Presented) A rack in accordance with claim 51 further comprising a bend radius control portion over the openings, the bend radius control portion curving downwardly and rearwardly.

56. (Currently Amended) A rack in accordance with claim ~~4~~51 further comprising a second vertical side rail opposing the first side rail and wherein the rack contains a plurality of the trays, the rack further comprising a plurality of fans disposed on the front of the rack between adjacent trays generally aligned proximate and parallel to the first and second vertical side rails, adjacent fans separated by a substantially constant distance, the fans curving outward and downward.

57. (Previously Presented) A rack in accordance with claim 56 wherein the tray further comprises:

bend radius control portions that curve outward from the sidewalls that form the front-to-back channel, and

bend radius control extensions connected to the bend radius control portions, the bend radius control extensions curving downward and inward, the bend radius control extensions opposing uppermost fans of the plurality of fans and substantially contiguous with lowermost fans of the plurality of fans.

58. (Previously Presented) A rack in accordance with claim 56 wherein each fan comprises a bend radius control surface containing finger holes.

59. (Previously Presented) A rack in accordance with claim 56 further comprising enclosures mounted between adjacent trays and adapted to receive communication equipment therein.

60-64. (Canceled)

65. (Currently Amended) A multiple-rack system of cable management racks for routing cables thereon and therebetween, said system including adjacent racks each having a front side and a rear side, each of said adjacent racks comprising:

a frame;

a frame-mountable pass-through tray disposed on said frame, said pass-through tray having a base and sidewalls defining a front-to-back channel in a center of the tray for routing said cables between said front side of said rack and said rear side of said rack, said tray including a rear channel adjacent to and extending substantially perpendicular to said front-to-back channel, said rear channel having openings on opposing ends, said rear channel containing a trough generally planar with and connected to said base and a rear wall on an opposite side of said trough as said base, said pass-through tray including at least one upstanding spool that is disposed at a center of said tray, a width of the front-to-back channel being substantially constant along a length of the front-to-back channel;

wherein opposing openings of said rear channels of said trays of said adjacent racks are connected together such that said rear channels are contiguous; and

wherein each adjacent rack further comprises a slack manager having a plurality of spools at different elevations, the frame of the rack having a first vertical side rail to which the slack manager of the rack and the tray of the rack are connected on opposite sides, and

wherein the slack manager of a first of the adjacent racks is connected to a second of the adjacent racks such that the slack manager of the first of the adjacent racks is disposed between the adjacent racks; and

~~A multiple-rack system in accordance with claim 20 further comprising an end cap~~ connected to the slack manager of the second of the adjacent racks such that the end cap extends substantially parallel with the front-to-back channel of the second of the adjacent racks and the slack manager of the second of the adjacent racks is disposed between the end cap and the vertical side rail of the second of the adjacent racks, the end cap terminating one of the openings of the rear channel of the second of the adjacent racks.

66. (Currently Amended) A multiple-rack system in accordance with claim ~~20~~65 wherein a set of the spools of each slack manager are vertically aligned, at least one of the spools being out of alignment with the set of spools such that a distance between the at least one of the spools of the rack and the vertical side rail of the rack is different than a distance between the set of spools of the rack and the vertical side rail of the rack.

67. (Previously Presented) A multiple-rack system in accordance with claim 66 wherein the at least one of the spools is more proximate to the vertical side rail than the set of spools.

68. (Previously Presented) A multiple-rack system in accordance with claim 66 wherein the at least one of the spools comprises the spool adjacent to a lowermost spool of the plurality of spools.

69. (Currently Amended) A multiple-rack system in accordance with claim ~~20~~65 further comprising a second vertical side rail and wherein each adjacent rack contains a plurality of the trays, the rack further comprising a plurality of fans disposed on the front of the rack between adjacent trays generally aligned proximate and parallel to the first and second vertical side rails, adjacent fans separated by a substantially constant distance, the fans curving outward and downward.

70. (Previously Presented) A multiple-rack system in accordance with claim 69 wherein each fan comprises a bend radius control surface containing finger holes.

71. (Previously Presented) A multiple-rack system in accordance with claim 69 wherein the tray further comprises:

bend radius control portions that curve outward from the sidewalls that form the front-to-back channel, and

bend radius control extensions connected to the bend radius control portions, the bend radius control extensions curving downward and inward, the bend radius control extensions

opposing uppermost fans of the plurality of fans and substantially contiguous with lowermost fans of the plurality of fans.

72. (Previously Presented) A multiple-rack system in accordance with claim 69 further comprising enclosures mounted between adjacent trays and adapted to receive communication equipment therein.

73. (Previously Presented) A multiple-rack system in accordance with claim 72 wherein each of the enclosures is disposed such that the enclosure overlaps a majority of the base of the front-to-back channel.

74. (Currently Amended) A multiple-rack system in accordance with claim ~~20~~65 further comprising a bend radius control portion over each opening, the bend radius control portion curving downwardly and rearwardly.

75-76. (Canceled)